

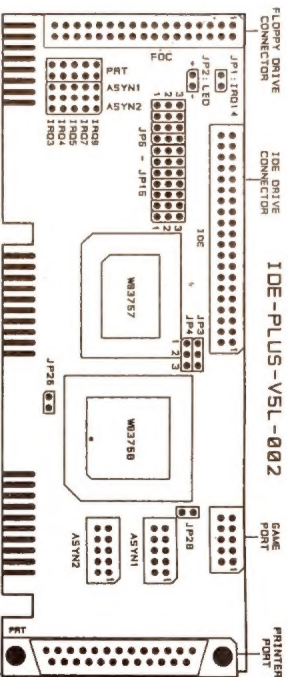
Operating Instructions

IDE MULTI-FUNCTION CARD

IDEPLUS-V5L

Before operating this unit, please read these instructions completely and retain it for future reference

LAYOUT:



DEFAULT PRINTER PORT AND SERIAL PORT INTERRUPT SETTING:	
ASYN1 IRQ	ASYN2 IRQ
PRINTER IRQ	ASYN1 IRQ

Jp5	Jp6	PRINTER
2-3	2-3	LPT1 (3BC)
2-3	2-3	*LPT2 (3C0)
1-2	2-3	*LPT2 (3C0)
1-2	1-2	DISABLED

Jp10	Jp11	ASYN2
2-3	2-3	COM1 (3E8)
2-3	2-3	*COM2 (3F8)
1-2	2-3	*COM2 (3F8)
1-2	1-2	DISABLED

Jp14	Jp15	ASYN1
2-3	2-3	COM1 (3E8)
2-3	1-2	*COM2 (3F8)
1-2	2-3	*COM2 (3F8)
1-2	1-2	DISABLED

Jp7	FUNCTION	1-2	2-3
Jp7	FDD PORT ADDRESS	PRIMARY (1F7)	SECONDARY (1F7)
Jp8	FDD A/B CHANGE	DISABLED	*ENABLED
Jp9	FDD A/B CHANGE	A/B CHANGE	*NORMAL
Jp12	IDE ENABLE	*PRIMARY (1F7)	*SECONDARY (1F7)
Jp13	IDE PORT ADDRESS	PRIMARY (1F7)	SECONDARY (1F7)

Jp3	IDE M10R	NON-BUFFERED	*BUFFERED
Jp3	IDE M10R	NON-BUFFERED	*BUFFERED

Jp1	FUNCTION	SHORT	OPEN
Jp1	IDE IRQ4 ENABLE	*ENABLED	DISABLED
Jp2	PRT PORT MODE	*AS OUTPUT	AS INPUT OR OUTPUT PORT
Jp28	GAME PORT ENABLE	*ENABLED	DISABLED

NOTE:
" * " = DEFAULT SETTING

Location of Ports:

Game Port	200H - 207H
Printer Port (LPT1)	170H - 177H
Printer Port (LPT2)	270H - 277H
Printer Port (LPT3)	3B0H - 3B7H
Serial Port 1 (COM1)	3F0H - 3F7H
Serial Port 1 (COM3)	3E0H - 3E7H
Serial Port 2 (COM2)	2F0H - 2F7H
Serial Port 2 (COM4)	2E0H - 2E7H
Primary IDE	1F0H - 1F7H
Secondary IDE	170H - 177H
Primary Floppy Disk	3F0H - 3F7H
Secondary Floppy Disk	370H - 377H

Specification:

- One Printer Port
- Two Serial Ports: COM1/COM3/COM4 and COM2/COM3/COM4
- One Game Port
- Selectable Printer Port: LPT1, LPT2 or LPT3
- Selectable IRQ signal for Serial Ports and Printer Port
- IDE Controller Interface for two hard disks
- IDE Disk Controller for two floppy drives (Support 360KB, 1.2MB, 720KB or 1.44MB Floppy Drives)
- Support Secondary Floppy Drives and Hard Disks
- One 'Hard Disk Busy' LED Connector
- All functions can be enabled or disabled

Connector Name:

ASYN1 : Serial Port 1 Connector
ASYN2 : Serial Port 2 Connector
FDD/FDC : Floppy Disk Connector
HDD/IDE : IDE Hard Disk Connector
GAME : Game Port Connector
PRINTER : Printer Port Connector

Jumper Setting:

JUMPERS SETTINGS FOR FDD & IDE CONTROLLER

JMP	JUMPERS DESCRIPTION	POSITION	
		1-2	2-3
JP7	FDD PORT ADDRESS	*PRIMARY(3F0-3F7)	SECONDARY(370-377)
JP8	FDD ENABLED/DISABLED	DISABLED	*ENABLED
JP9	FDD A/B CHANGE	A/B CHANGE	*NORMAL
JP12	IDE ENABLED/DISABLED	DISABLED	*ENABLED
JP13	IDE PORT ADDRESS	*PRIMARY(1F0-1F7)	SECONDARY(170-177)

Note:

FDD A/B CHANGE (JP9) - This Jumper is used to change the drive assignment of the floppy drive "A" and "B". When FDD A/B CHANGE is set to position 1-2, Drive "A" is renamed to Drive "B" and Drive "B" becomes Drive "A" without switching the floppy drive cable.

JUMPERS SETTINGS FOR SERIAL PORT 1 (ASYN1)

JUMPER POSITION		JUMPER DESCRIPTION (ASYN1)
JP14	JP15	
2-3	2-3	COM4 (2E8)
2-3	1-2	COM3 (3E8)
*1-2	*2-3	*COM1 (3F8)
1-2	1-2	DISABLED

JUMPERS SETTINGS FOR SERIAL PORT 2 (ASYN2)

JUMPER POSITION		JUMPER DESCRIPTION (ASYN2)
JP10	JP11	
2-3	2-3	COM3 (3E8)
2-3	1-2	COM4 (2E8)
*1-2	*2-3	*COM2 (2F8)
1-2	1-2	DISABLED

JUMPERS SETTINGS FOR PRINTER PORT

JUMPER POSITION		JUMPER DESCRIPTION (PRINTER)
JP5	JP6	
2-3	2-3	LPT3 (3BC)
*2-3	*1-2	*LPT1 (378)
1-2	2-3	LPT2 (278)
1-2	1-2	DISABLED

JUMPER SETTINGS FOR IDE DRIVE MATCHING

JMP	JUMPERS DESCRIPTION	POSITION	
		1-2	2-3
JP3	IDE #IOW	NON-BUFFERED	*BUFFERED
JP4	IDE #IOW	NON-BUFFERED	*BUFFERED

Note:

If there is a Hard Disk Compatibility Problem with this card, set Jumpers JP3 & JP4 to position 1-2.

MISCELLANEOUS JUMPER SETTINGS

JMP	JUMPERS DESCRIPTION	POSITION	
		SHORT	OPEN
JP1	IDE IRQ14 ENABLED/DISABLED	*ENABLED	DISABLED
JP26	PRINT PORT DIRECTION CONTROL	*OUTPUT ONLY	INPUT-OUTPUT
JP28	GAME PORT ENABLED/DISABLED	*ENABLED	DISABLED

Note: * - Default Factory Setting

Installing Hard Disk and Floppy Drives:

Warning: Turn off the Power Supply before commencing installation

- Connect the 40 pins flat cable connector to the 'IDE' connector on the card. (Make sure that the direction of the cable is correct: Red Wire is pin one of the header)
- Connect the other end of the 40 pins flat cable to the hard disk in the correct direction.
- Connect the power cable to the hard drive's power socket.
- Connect the Hard Disk Indicator socket to the 'JP2' jumper on the card.
- Connect the 34 pins flat cable connector to the 'FDC' connector on the card.
- Connect the other end of the 34 pins flat cable to the floppy drives. (Note: The twisted end is for Drive A and the second one is for Drive B)
- Connect the power cable to the floppy drives.

Note for Installing Two Hard Drives:

Please refer to the Hard Disk Manual for setting the FIRST and SECOND drive !!!

Note: A 3 header, 40 pins flat cable is necessary to install two hard drives.

Setup CMOS for Disk Type:

- Use BIOS CMOS SETUP or AT DIAGNOSTIC program to set the correct floppy and hard drive type
- Physical and logical formatting of hard disk must be done for new drive. (For detail method, please consult the hard drive supplier)

Note: Incorrect drive type setting will report a message of 'drive error' or/and may damage the drive.